

**CLAIMS**

1. A watch movement comprising an annular frame (10),  
of external diameter D, provided with a round  
5 central opening (48) defined by an internal diameter  
d and, borne by said frame:

- an energy source (16),
- a time base (18),
- a counting device (20) actuated in synchronization  
10 with the time base (18),
- a work train (26) actuated by said device (20),
- a motion work train (34), arranged to bear analog  
time display means (40, 44), and
- correcting means (46, 50, 56, 58) for the display  
15 means (40, 44),

characterized in that the motion work train (34)  
comprises a motion work mobile (36) containing a  
wheel (36a) and a pinion (36b), a cannon pinion (38)  
driven by the motion work wheel (36a) and intended  
20 to bear a minute hand (40), and an hour wheel (42)  
driven by the motion work pinion (36b) and intended  
to bear an hour hand (44), in that the cannon pinion  
(38) and the hour wheel (42) are concentric to the  
frame (10) and have a central opening substantially  
25 equal to d, and in that the motion work wheel (36a)  
has a diameter slightly less than  $(D-d)/2$ .

2. The movement as claimed in claim 1, characterized in  
that the work train contains a first mobile (28)  
30 provided with a spindle (28c) on which the motion  
work mobile (36) is friction-mounted.

3. The movement as claimed in one of claims 1 and 2,  
characterized in that the correcting means (46, 50,  
35 56, 58) for the display means comprise at least one

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gear (58) mating directly with said cannon pinion (38).

4. The movement as claimed in one of claims 1 to 3,  
5 characterized in that the mobiles of the work train  
(26) have their rotation axes substantially disposed  
on a circle (C) of diameter equal to  $(D+d)/2$ .
5. The movement as claimed in claim 4, characterized in  
10 that the energy source is mechanical, formed by a  
barrel (16), the time base is a balance (18), the  
counting device is an escapement (20), the barrel  
(16) and the balance (20) pivoting on axes  
substantially disposed on said circle (C).
- 15 6. The movement as claimed in one of claims 1 to 5,  
characterized in that it additionally comprises  
date-display means (72), disposed on the side  
opposite the dial, comprising two display disks, one  
20 for tens (74), the other for units (76), the date  
appearing in said opening (48).
7. The movement as claimed in one of claims 1 to 6,  
25 characterized in that the cannon pinion (38) and the  
hour wheel (42) each comprises a tubular portion  
(38a, 42a), engaged one within the other, the  
tubular portion (38a) of the cannon pinion being  
positioned in the central opening (48) such as to be  
able to rotate freely therein.
- 30 8. The movement as claimed in claim 7, characterized in  
that the motion work mobile (36) and the toothings  
of the cannon pinion (38) and of the hour wheel (42)  
are disposed on the bottom side of the frame, the

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5      tubular portion (38a) of the cannon pinion is defined by an internal diameter and by an external diameter, its external diameter being slightly less than d, so allowing it to rotate freely in said opening (48), and in that the tubular portion (42a) of the hour wheel is defined by an external diameter slightly less than the internal diameter of the tubular portion (38a) of the cannon pinion, such that the hour wheel (42) can rotate freely therein.

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9. The movement as claimed in claim 8, characterized in that the tubular portion (42a) of the hour wheel serves as accommodation for an object.
10. The movement as claimed in claim 7, characterized in that the motion work mobile (36) and the toothings of the cannon pinion (38) and of the hour wheel (42) are disposed on the dial side of the frame (10), the tubular portion (38a) of the cannon pinion is defined by its external diameter, a first part of which is engaged in said opening (48), the external diameter being slightly less than d, so allowing it to rotate freely therein, and a second part of which, disposed outside the opening, is intended to bear the minute hand (40) and has the hour wheel (42) engaged on it.
11. The movement as claimed in claim 10, characterized in that the tubular portion (42a) of the hour wheel serves as accommodation for an object.
12. The movement as claimed in one of claims 9 and 11, characterized in that said object is chosen from

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amongst a lens (70), a precious stone (66) and a compass (64).

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